

## IN THE CLAIMS

Please amend the claims as follows:

1. (Cancelled)

2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

5. (Cancelled)

6. (Cancelled)

7. (Cancelled)

8. (Cancelled)

9. (Previously Presented) A system, comprising:

at least one server computer connected to at least one Internet;

at least two personal computers connected to the server computer through at least one network;

the server computer having a mechanism for said server computer to function in a shared processing operation involving the at least two personal computers;

each said personal computer including at least one peer to peer wireless network connection capable of directly coupling each said personal computer to at least one of the other personal computers via the wireless network connection without connecting to said server computer;

each said personal computer including at least one microchip having at least one microprocessor with at least one control unit and at least two processing units, the control unit including means for at least one user of the personal computer to control the at least two processing units;

each said microchip including at least one power management component;

each said personal computer including at least one telephone component; and

each said personal computer including at least one firewall.

10. (Previously Presented) The system of claim 9, wherein each said personal computer includes at least one camera component.

11. (Previously Presented) The system of claim 9, wherein said server computer provides network services, including connection functions, which include providing access by at least one of said personal computers to said network.

12. (Previously Presented) The system of claim 9, wherein each said personal computer includes at least one videocam component.

13. (Previously Presented) The system of claim 9, wherein each said personal computer includes at least one radio component.

14. (Previously Presented) The system of claim 9, wherein each said personal computer includes at least one television component.

15. (Previously Presented) The system of claim 9, wherein each said personal computer includes Flash memory.

16. (Previously Presented) The system of claim 9, wherein each said personal computer includes at least one hard drive.

17. (Previously Presented) The system of claim 9, wherein each said personal computer includes at least one digital signal processor.

18. (Previously Presented) The system of claim 9, wherein said network includes a World Wide Web which is utilized to provide shared computer processing resources.

19. (Previously Presented) The system of claim 9, wherein said server computer is operated by at least one internet service provider.

20. (Previously Presented) The system of claim 9, wherein said server computer includes at least one direct optical fiber network connection.

21. (Previously Presented) The system of claim 9, wherein at least one of said personal computers includes at least one optical fiber connection directly from said at least one personal computer to said server computer.

22. (Previously Presented) The system of claim 9, wherein said personal computers include at least one direct wireless connection from said computers to said server computer.

23. (Cancelled)

24. (Cancelled)

25. (Previously Presented) The system of claim 9, wherein each said personal computer is equipment of an automobile or other transportation vehicle or other conveyance .

26. (Previously Presented) The system of claim 9, wherein each said microchip includes:  
at least one digital signal processor; or  
at least one network communications component; or  
both.

27. (Previously Presented) The system of claim 9, wherein said shared processing operation includes:

parallel processing; or  
multi-processing; or  
multi-tasking; or  
any combination thereof.

28. (Previously Presented) The system of claim 9, wherein each said microchip is configured to use said at least two processing units to perform parallel processing, multi-tasking, or both on said microchip.

29. (Previously Presented) The system of claim 9, wherein said personal computers include at least one transponder so that said at least one personal computer can determine a closest other of said personal computers.

30. (Previously Presented) The system of claim 9, wherein said personal computer is configured so that at least one user retains preemptive control of all components of said personal computer.

31. (Previously Presented) The system of claim 9, wherein each said microchip includes at least:

four processing units; or

eight processing units; or

16 processing units; or

32 processing units; or

64 processing units; or

128 processing units; or

256 processing units; or

512 processing units; or

1024 processing units.

32. (Previously Presented) The system of claim 9, wherein each said personal computer includes random access memory (RAM), said RAM being located on said microchip.

33. (Previously Presented) The system of claim 9, each said microchip includes:

at least one graphics component; or

at least one audio component; or

at least one video processing component; or

at least one flash BIOS; or

any combination thereof.

34. (Previously Presented) The system of claim 9, wherein said server computer is configured to operate wirelessly with said personal computers in a client/server or a peer-to-peer network architecture.

35. (Previously Presented) The system of claim 9, wherein said at least one microprocessor of said personal computers is controlled by at least one user of said at least one personal computer through said user's operation of at least one wireless controller.

36. (Previously Presented) The system of claim 9, wherein each said microchip has at least one firewall.

37. (Previously Presented) The system of claim 9, wherein:

at least one firewall is configured to operate in at least one of said personal computers, said at least one personal computer being configured to operate with other computers connected in at least one network;

said at least one personal computer includes said microchip with at least one microprocessor with at least one control unit and at least two processing units;

said firewall is further configured to deny access to at least said microchip microprocessor control unit of said at least one personal computer by at least one of said other computers during a shared operation involving said personal computer and said at least one of said other computers of said network; and

said firewall is further configured to allow access to at least one said microchip microprocessor processing unit of said at least one personal computer by said at least one of said other computers of said network during said shared operation.

38. (Previously Presented) The system of claim 37, wherein said firewall is configured to deny access to at least said microchip microprocessor control unit of said at least one personal computer by said other computers of said network during a shared operation involving said personal computer and at least one of said other computers of said network.

39. (Previously Presented) The system of claim 37, wherein said firewall is configured to allow access to at least one said microchip microprocessor processing unit of said at least one personal computer by said other computers of said network during said shared operation.

40. (Previously Presented) The system of claim 39, wherein said firewall is configured to deny access to at least one said microchip microprocessor processing unit of said at least one personal computer by at least one user of said personal computer during said shared operation.

41. (Currently Amended) The system of claim 38, wherein said firewall includes hardware ~~or software or firmware or any combination thereof.~~

42. (Previously Presented) A system, comprising:

a server computer connected to at least one Internet;

at least two personal computers connected to the server computer through at least one network;

the server computer having a mechanism for said server computer to function in a shared processing operation involving the at least two personal computers;

each said personal computer including a client/server wireless network connection capable of directly coupling each of the personal computers to the server computer via the wireless network connection;

each said personal computer including at least one microchip having at least one microprocessor with at least one control unit and at least two processing units, the control unit including means for at least one user of the personal computer to control the at least two processing units;

each said microchip including at least one power management component;

each said personal computer including at least one telephone component; and

each said personal computer including at least one firewall.

43. (Previously Presented) The system of claim 42, wherein each said personal computer includes at least one camera component.

44. (Previously Presented) The system of claim 42, wherein said server computer provides network services, including connection functions, which include providing access by at least one of said personal computers to said network.

45. (Previously Presented) The system of claim 42, wherein each said personal computer includes at least one videocam component.

46. (Previously Presented) The system of claim 42, wherein each said personal computers includes at least one radio component.

47. (Previously Presented) The system of claim 42, wherein each said personal computers includes at least one television component.

48. (Previously Presented) The system of claim 42, wherein each said personal computers includes Flash memory.

49. (Previously Presented) The system of claim 42, wherein each said personal computers includes at least one hard drive.

50. (Previously Presented) The system of claim 42, wherein each said personal computers includes at least one digital signal processor.

51. (Previously Presented) The system of claim 42, wherein said network includes a World Wide Web which is utilized to provide said shared computer processing resources.

52. (Previously Presented) The system of claim 42, wherein said server computer is operated by at least one internet service provider.

53. (Previously Presented) The system of claim 42, wherein said server computer includes at least one direct optical fiber network connection.

54. (Previously Presented) The system of claim 42, wherein at least one of said personal computers includes at least one optical fiber connection directly from said at least one personal computer to said server computer.

55. (Previously Presented) The system of claim 42, wherein said personal computers include at least one wireless connection from said computers to said server computer.

56. (Previously Presented) The system of claim 42, wherein each said personal computer is equipment of an automobile or other transportation vehicle or other conveyance.

57. (Previously Presented) The system of claim 42, wherein each said microchip includes:

at least one digital signal processor; or

at least one network communications component; or

both.

58. (Previously Presented) The system of claim 42, wherein said shared processing operation includes:

parallel processing; or

multi-processing; or

multi-tasking; or

any combination thereof.

59. (Previously Presented) The system of claim 42, wherein each said microchip is configured to use said at least two processing units to perform parallel processing, or multi-tasking, or both on said microchip.

60. (Previously Presented) The system of claim 42, wherein said personal computer includes at least one transponder so that said at least one personal computer can determine a closest other of said personal computers.

61. (Previously Presented) The system of claim 42, wherein said personal computer is configured so that at least one user retains preemptive control of all components of said personal computer.



62. (Previously Presented) The system of claim 42, wherein each said microchip includes at least:

four processing units; or  
eight processing units; or  
16 processing units; or  
32 processing units; or  
64 processing units; or  
128 processing units; or  
256 processing units; or  
512 processing units; or  
1024 processing units.

63. (Previously Presented) The system of claim 42, wherein each said personal computer includes random access memory (RAM), said RAM being located on said microchip.

64. (Previously Presented) The system of claim 42, wherein each said microchip includes:

at least one graphics component; or  
at least one audio component; or  
at least one video processing component; or  
at least one flash BIOS component; or  
any combination thereof.

65. (Previously Presented) The system of claim 42, wherein said server computer is configured to operate wirelessly with said personal computers in a client/server or a peer-to-peer architecture.

66. (Previously Presented) The system of claim 42, wherein said at least one microprocessor of said personal computers is controlled by at least one user of said at least one personal computer through said user's operation of at least one wireless controller.

67. (Previously Presented) The system of claim 42, wherein each said microchip has at least one firewall.

68. (Previously Presented) The system of claim 42, wherein:  
at least one firewall is configured to operate in at least one of said personal computers, said at least one personal computer being configured to operate with other computers connected in the personal network system;

said at least one personal computer includes said microchip with at least one microprocessor with at least one control unit and at least two processing units;

said firewall is further configured to deny access to at least said microchip microprocessor control unit of said at least one personal computer by at least one of said other computers during a shared operation involving said personal computer and said at least one of said other computers of said personal network system; and

said firewall is further configured to allow access to at least one said microchip microprocessor processing unit of said at least one personal computer by said at least one of said other computers of said personal network system during said shared operation.

69. (Previously Presented) The system of claim 68, wherein said firewall is configured to deny access to at least said microchip microprocessor control unit of said at least one personal computer by said other computers of said personal network system during a shared operation involving said personal computer and at least one of said other computers of said personal network system.

70. (Previously Presented) The system of claim 68, wherein said firewall is configured to allow access to at least one said microchip microprocessor processing unit of said at least one

personal computer by said other computers of said personal network system during said shared operation.

71. (Previously Presented) The system of claim 70, wherein said firewall is configured to deny access to at least one said microchip microprocessor processing unit of said at least one personal computer by at least one user of said personal computer during said shared operation.

72. (Currently Amended) The system of claim 71, wherein said firewall includes hardware ~~or software or firmware or any combination thereof.~~

73. (Previously Presented) The system of claim 42, wherein each said personal computer includes at least one peer to peer wireless network connection capable of coupling each said personal computer to at least one of the other personal computers via the wireless network connection.

74. (Previously Presented) A server computer for a network of computers, comprising:

- a server computer connected to at least one Internet;
- the server computer includes at least one direct optical fiber network connection;
- the server computer configured to be connected to a plurality of personal computers connected to the server computer through at least one network;
- the server computer having a mechanism for said server computer to function in a shared processing operation involving said personal computers;
- the server computer configured to connect to each said personal computer through a client/server wireless network connection capable of directly coupling each of the personal computers to the server computer via the wireless network connection;
- the server computer including at least one microchip having at least one microprocessor with at least one control unit and at least two or four or eight or 16 or 32 or 64 or 128 or 256 or 512 or 1024 processing units, the control unit including means for at least one user of the server computer to control said processing units;

each said microchip including at least one power management component; and  
the server computer including at least one firewall.

75. (New) The system of Claim 9, wherein the firewall encloses only a portion of the PC's  
resources.

76. (New) The system of Claim 42, wherein the firewall encloses only a portion of the PC's  
resources.